

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

BAY136/4-010002

Application Number

09/122,384

Applicant(s)

ELLEDDGE ET AL.

Filing Date

JULY 24, 1998

Group Art Unit

1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SA	A1	4,673,640	06/16/87	Backman			
SA	A2	4,743,546	05/10/88	Backman, et al.			
	A3	4,959,317	09/25/90	Sauer			duplicate
SA	A4	5,227,288	07/13/93	Blattner			
MR	A5	5,354,668	10/11/94	Auerbach			
	A6	5,434,066	07/18/95	Bebbee, et al.			
	A7	5,470,727	11/28/95	Mascarenhas, et al.			
	A8	5,591,609	01/07/97	Auerbach			
	A9	5,614,389	03/25/97	Auerbach			
	A10	5,635,381	06/03/97	Hooykaas, et al.			
	A11	5,658,772	08/19/97	Odell, et al.			

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	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
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SA	B1	EP 0160571	11/06/85	Europe				
	B2	EP 0300422	01/25/89	Europe				
	B3	WO 91/02801	03/07/91	PCT				
	B4	WO 91/16427	10/31/91	PCT				
SA	B5	WO 92/20791	11/26/92	PCT				

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SA	C1	Abremski and Gottesman, "Purification of the Bacteriophage λ <i>xis</i> Gene Product Required for λ Excisive Recombination", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 257(16)9658-62, 1982					
SA	C2	Abremski and Hoess, "Bacteriophage P1 Site-specific Recombination", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 259(3):1509-14, 1984					

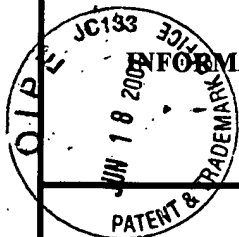
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Perry L. Pinal

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10/4/01

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INFORMATION DISCLOSURE CITATION

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BAY136/4-010-CP

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*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W</i>	A12	5,677,170	10/14/97	Devine, et al.			
	A13	5,677,177	10/14/97	Wahl, et al.			
	A14	5,710,248	01/20/98	Grose			
	A15	5,723,765	03/03/98	Oliver, et al.			
	A16	5,733,733	03/31/98	Auerbach			
	A17	5,733,743	03/31/98	Johnson			
	A18	5,744,336	04/28/98	Hodges, et al.			
	A19	5,766,891	06/16/98	Shuman			
	A20	5,776,449	07/07/98	Baum			
	A21	5,830,707	11/03/98	Bushman			
<i>W</i>	A22	5,837,242	11/17/98	Holliger, et al.			

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	B6	WO 93/15191	08/05/93	PCT	<i>duplicate</i>			
<i>W</i>	B7	WO 93/19172	09/30/93	PCT				
<i>W</i>	B8	2,141,412	02/17/94	Canada				
<i>W</i>	B9	WO 94/17176	08/04/94	PCT				
<i>W</i>	B10	WO 95/00555	01/05/95	PCT				

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<i>W</i>	C3	Abremski, et al., "Bacteriophage P1 Cre-LoxP Site-specific Recombination", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 261(1):391-96, 1986
	C4	Abremski, et al., "Studies on the Properties of P1 Site-Specific Recombination: Evidence for Topologically Unlinked Products following Recombination", CELL, 32:1301-11, 1983 <i>duplicate</i>

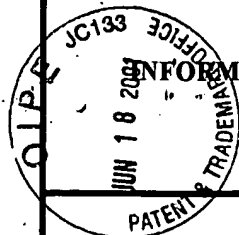
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*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE.
or	A23	5,843,772	12/01/98	Devine, et al.			
	A24	5,851,808	12/22/98	Elledge, et al.			duplicate
or	A25	5,858,657	01/12/99	Winter, et al.			
or	A26	5,871,907	02/16/99	Winter, et al.			
or	A27	5,874,259	02/23/99	Szybalski			
	A28	5,888,732	03/30/99	Hartley, et al.			duplicate
or	A29	5,916,804	06/29/99	Bushman			
or	A30	5,919,676	07/06/99	Graham, et al.			
or	A31	5,928,914	07/27/99	Leboulch, et al.			
or	A32	5,989,872	11/23/99	Luo, et al.			
or	A33	6,010,884	01/04/00	Griffiths, et al.			

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or	B11	WO 97/06265	02/20/97	PCT				
	B12	WO 97/09436	03/13/97	PCT				
	B13	WO 97/25446	07/17/97	PCT				
	B14	WO 97/32481	09/12/97	PCT				
or	B15	WO 98/10086	03/12/98	PCT				

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or	C5	Adams, et al., "Cre-lox Recombination in <i>Escherichia coli</i> Cells", J. MOL. BIOL., 226(3):661-73, 1992					
or	C6	Andrews, et al., "The FLP Recombinase of the 2 μ Circle DNA of Yeast: Interaction with Its Target Sequences", CELL, 40(4):795-803, 1985					

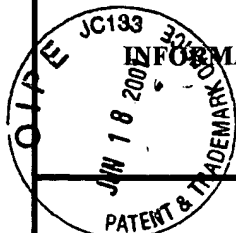
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	Filing Date JULY 24, 1998	Group Art Unit 1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>of</i>	A34	6,040,430	03/21/00	Stewart			
	A35	6,063,627	05/16/00	McVey, et al.			
	A36	5,348,886	09/20/94	Lee, et al.			
	A37	6,143,557	11/07/00	Hartley, et al.			
	A38	6,171,861	01/09/01	Hartley, et al.			
	A39	5,286,632	02/15/94	Jones			
	A40	5,334,375	08/02/94	Nabi, et al.			
	A41	5,650,308	07/22/97	Baum			
	A42	5,728,551	03/17/98	Devine, et al.			
	A43	5,334,575	08/02/94	Noonan, et al.			
<i>of</i>	A44	5,650,557	07/22/97	Hannah, et al.			

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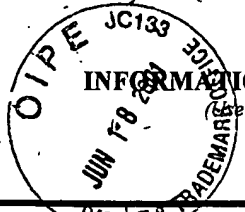

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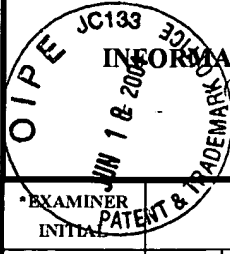













OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

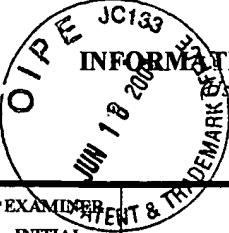



<i>of</i>	C7	Andrews, et al., "Interaction of the FLP Recombinase of the <i>Saccharomyces cerevisiae</i> 2 μ m Plasmid with Mutated Target Sequences", MOLECULAR AND CELLULAR BIOLOGY, 6(7):2482-89, 1986
<i>of</i>	C8	Anton and Graham, "Site-Specific Recombination Mediated by an Adenovirus Vector Expressing the Cre Recombinase Protein: A Molecular Switch for Control of Gene Expression", JOURNAL OF VIROLOGY, 69(8):4600-06, 1995

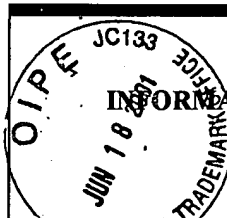
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 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>		Docket Number (Optional) BAY136/4-010CIP		Application Number 09/122,384	
		Applicant(s) ELLEDEGE ET AL.			
		Filing Date JULY 24, 1998		Group Art Unit 1636	
*EXAMINER INITIAL		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
- ON	C9	Araki, et al., "Site-specific Recombinase, R, Encoded by Yeast Plasmid pSR1", J. MOL. BIOL, 225:25-37, 1992			
ON	C10	Argos, et al, "The integrase family of site-specific recombinases: regional similarities and global diversity", THE EMBO JOURNAL, 5(2):433-440, 1986			
ON	C11	Astumian, et al., "Site-Specific Recombination between Cloned <i>attP</i> and <i>attB</i> Sites from the <i>Haemophilus influenzae</i> Bacteriophage HP1 Propagated in Recombination-Deficient <i>Escherichia coli</i> ", JOURNAL OF BACTERIOLOGY, 171(3):1747-1750, 1989			
ON	C12	Atlung, et al., "A versatile method for integration of genes and gene fusions into the λ attachment site of <i>Escherichia coli</i> ", GENE, 107:11-17, 1991			
ON	C13	Ausubel, et al., "Current Protocols in Molecular Biology", Supplement 26, Boston, MA: John Wiley & Sons, Inc. (1995)			
ON	C14	Ausubel, et al., "Current Protocols in Molecular Biology", Supplement 15, Boston, MA: John Wiley & Sons, Inc. (1995)			
	C15	Babineau, et al., "The FLP Protein of the 2-micron Plasmid of Yeast", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 260(22):12313-19, 1985 <div style="text-align: center; font-style: italic; font-size: 1.2em;">Duplicate</div>			
ON	C16	Balakrishnan, et al., "A gene cassette for adapting <i>Escherichia coli</i> strains as hosts for <i>att</i> -Int-mediated rearrangement and <i>p_L</i> expression vectors", GENE, 138:101-04, 1994			
ON	C17	Bayley, et al., "Exchange of gene activity in transgenic plants catalyzed by the Cre- <i>lox</i> site-specific recombination system", PLANT MOLECULAR BIOLOGY, 18:353-361, 1992			
ON	C18	Bethke and Sauer, "Segmental genomic replacement by Cre-mediated recombination: genotoxic stress activation of the p53 promoter in single-copy transformants", NUCLEIC ACIDS RESEARCH, 25(14):2828-34, 1997			
ON	C19	Bernard and Couturier, "Cell Killing by the F Plasmid CcdB Protein Involves Poisoning of DNA-Topoisomerase II Complexes", J. MOL. BIOL., 226:735-45, 1992			
ON	C20	Bernard, et al., "Positive-selection vectors using the F plasmid <i>ccdB</i> killer gene", GENE, 148:71-74, 1994			
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		Applicant(s) ELLEDEGE ET AL.			
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		<div style="display: flex; justify-content: space-between;"> <div>*EXAMINER INITIAL</div> <div>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</div> </div>			
	C21	Betz, et al., "Bypass of lethality with mosaic mice generated by Cre-loxP-mediated recombination", CURRENT BIOLOGY, 6(10):1307-16, 1996			
	C22	Bhandari and Gowrishankar, "An <i>Escherichia coli</i> Host Strain Useful for Efficient Overproduction of Cloned Gene Products with NaCl as the Inducer", JOURNAL OF BACTERIOLOGY, 179(13):4403-06, 1997			
	C23	Black, "In vitro packaging into phage T4 particles and specific recircularization of phase lambda DNAs", GENE, 46:97-101, 1986			
	C24	Bloch, et al., "Purification of <i>Escherichia coli</i> Chromosomal Segments without Cloning", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, 223(1):104-11, 1996			
	C25	Bochner, et al., "Positive Selection for Loss of Tetracycline Resistance", JOURNAL OF BACTERIOLOGY, 143(2):926-33, 1980			
	C26	Boyd, "Turbo cloning: a fast, efficient method for cloning PCR products and other blunt-ended DNA fragments into plasmids", NUCLEIC ACIDS RESEARCH, 21(4):817-21, 1993			
	C27	Broach, et al., "Recombination within the Yeast Plasmid 2μ Circle is Site-Specific", CELL, 29:227-34, 1982			
	C28	Brunelli and Pall, "A Series of Yeast/ <i>Escherichia coli</i> λ Expression Vectors Designed for Directional Cloning of cDNAs and cre / lox-Mediated Plasmid Excision", YEAST, 9:1309-18, 1993			
	C29	Brunelli and Pall, "Lambda/Plasmid Vector Construction by In Vivo cre/lox-Mediated Recombination", BIOTECHNIQUES, 16(6):1061-64, 1994 <div style="text-align: right; margin-top: 10px;"><i>duplicate</i></div>			
	C30	Bubeck, et al., "Rapid cloning by homologous recombination <i>in vivo</i> ", NUCLEIC ACIDS RESEARCH, 21(15):3601-02, 1993			
	C31	Buchholz, et al., "A simple assay to determine the functionality of Cre or FLP recombination targets in genomic manipulation constructs", NUCLEIC ACIDS RESEARCH, 24(15):3118-19, 1996			
	C32	Buchholz, et al., "Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination", NUCLEIC ACIDS RESEARCH, 24(21):4256-62, 1996			
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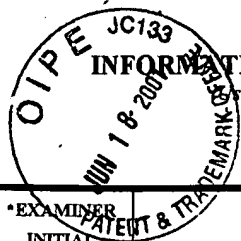
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		<div style="display: flex; justify-content: space-between;"> <div style="width: 15%;"> *EXAMINER INITIAL </div> <div style="width: 85%;"> OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) </div> </div>			
	C33	Burioni, et al., "An improved phage display vector for antibody repertoire cloning by construction for combinatorial libraries", RES. VIROL., 148:161-64, 1997			
	C34	Bushman, et al., "Control of Directionality in Lambda Site Specific Recombination", SCIENCE, 230(4728):906-11, 1985			
	C35	Campbell, "Chromosomal Insertion Sites for Phages and Plasmids", JOURNAL OF BACTERIOLOGY, 174(23):7495-99, 1992			
	C36	Capone, "Introduction of UAG, UAA, and UGA Nonsense Mutations at a Specific Site in the <i>Escherichia coli</i> Chloramphenicol Acetyltransferase Gene: Use in Measurement of Amber, Ochre, and Opal Suppression in Mammalian Cells", MOLECULAR AND CELLULAR BIOLOGY, 6(9):3059-67, 1986			
	C37	Chanock, "Human Monoclonal Antibody Fab Fragments Cloned from Combinatorial Libraries: Potential Usefulness in Prevention and/or Treatment of Major Human Viral Diseases", INFECTIOUS AGENTS AND DISEASE, 2(3):118-31, 1993			
	C38	Chapin, et al., "Differential Expression of Alternatively Spliced Forms of MAP4; A repertoire of Structurally Different Microtubule-Binding Domains", BIOCHEMISTRY, 34(7):2289-2301, 1995			
	C39	Chatterjee and Coren, "Isolating large nested deletions in bacterial and P1 artificial chromosomes by <i>in vivo</i> P1 packaging of products of Cre-catalysed recombination between the endogenous and a transposed <i>loxP</i> site", NUCLEIC ACIDS RESEARCH, 25(11):2205-12, 1997			
	C40	Chong, et al., "Single-column purification of free recombinant proteins using a self-cleavable affinity tag derived from a protein splicing element", GENE, 192:271-81, 1997			
	C41	Cox, "The FLP protein of the yeast 2- μ m plasmid: Expression of a eukaryotic genetic recombination system in <i>Escherichia coli</i> ", PROC. NATL. ACAD. SCI. USA, 80(14):4223-27, 1983			
	C42	Craig and Nash, "The Mechanism of Phage λ Site-Specific Recombination: Site-Specific Breakage of DNA by Int Topoisomerase", CELL, 35(3):795-803, 1983			
	C43	Dale and Ow, "Intra- and intermolecular site-specific recombination in plant cells mediated by bacteriophage P1 recombinase", GENE, 91:79-85, 1990			
	C44	Dale and Ow, "Gene transfer with subsequent removal of the selection gene from the host genome", PROC. NATL. ACAD. SCI. USA, 88:10558-62, 1991			
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	C45	Dang and Perrimon, "Use of a Yeast Site-Specific Recombinase to Generate Embryonic Mosaics in <i>Drosophila</i> ", DEVELOPMENTAL GENETICS, 13:367-75, 1992
	C46	Davis, et al., "Analysis of the Mechanisms of Action of the <i>Saccharomyces cerevisiae</i> Dominant Lethal <i>cdc42</i> ^{G12V} and Dominant Negative <i>cdc42</i> ^{D118A} Mutations", THE JOURNAL OF BIOLOGICAL CHEMISTRY, 273(2):849-58, 1998
	C47	Degryse, "In vivo intermolecular recombination in <i>Escherichia coli</i> : application to plasmid constructions", GENE, 170(1):45-50, 1996
	C48	Derbyshire and Belfort, "Lightning strikes twice: Intron-intein coincidence", PROC. NATL. ACAD. SCI. USA, 95:1356-57, 1998
	C49	Devine and Boeke, "Efficient integration of artificial transposons into plasmid targets <i>in vitro</i> : a useful tool for DNA mapping, sequencing and genetic analysis, NUCLEIC ACIDS RESEARCH, 22(18):3765-72, 1994
	C50	Diederich, et al., "New Cloning Vectors for Integration into the λ Attachment Site <i>attB</i> of the <i>Escherichia coli</i> Chromosome", PLASMID, 28:14-24, 1992
	C51	Dymecki, "A modular set of <i>Flp</i> , <i>FRT</i> and <i>LacZ</i> fusion vectors for manipulating genes by site-specific recombination", Gene, 171(2):197-201, 1996
	C52	Elledge, et al., "YES: A multifunctional cDNA expression vector for the isolation of genes by complementation of yeast and <i>Escherichia coli</i> mutations", PROC. NATL. ACAD. SCI. USA, 88:1731-35, 1991 <i>duplicate</i>
	C53	Esposito and Scocca, "The integrase family of tyrosine recombinases: evolution of a conserved active site domain", NUCLEIC ACIDS RESEARCH, 25(18):3605-14, 1997
	C54	Feil, et al., "Regulation of Cre Recombinase Activity by Mutated Estrogen Receptor Ligand-Binding Domains", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, 237(3):752-57, 1997
	C55	Ferguson, et al., "Construction and characterization of three yeast- <i>Escherichia coli</i> shuttle vectors designed for rapid subcloning of yeast genes on small DNA fragments", GENE, 16:191-97, 1981
	C56	Fiering, et al., "An 'in-out' strategy using gene targeting and FLP recombinase for the functional dissection of complex DNA regulatory elements: Analysis of the β -globin locus control region", PROC. NATL. ACAD. SCI. USA, 90:8469-73, 1993

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ELLEDDGE ET AL.

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ES	C57	Filutowicz, et al., "Purification of the <i>Escherichia coli</i> integration host factor (IHF) in one chromatographic step", GENE, 147:149-50, 1994
	C58	Francia and Garcia Lobo, "Gene Integration in the <i>Escherichia coli</i> Chromosome Mediated by Tn21 Integrase (Int21)", JOURNAL OF BACTERIOLOGY, 178(3):894-98, 1996 duplicate
	C59	Fukushige and Sauer, "Genomic targeting with a positive-selection <i>lox</i> integration vector allows highly reproducible gene expression in mammalian cells", PROC. NATL. ACAD. SCI. USA, 89:7905-09, 1992
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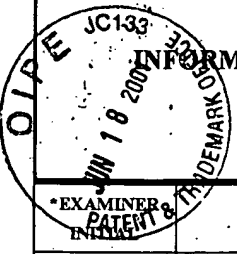
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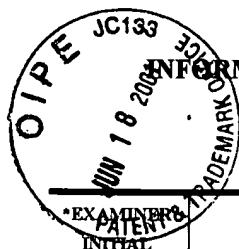
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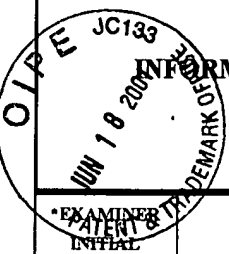

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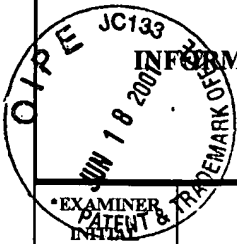
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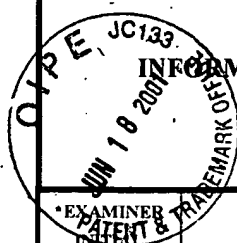
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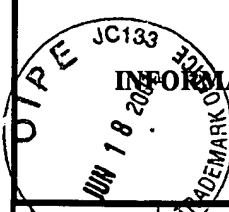



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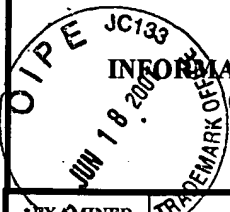

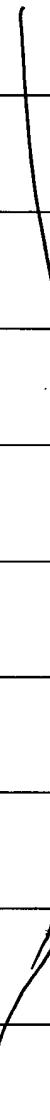
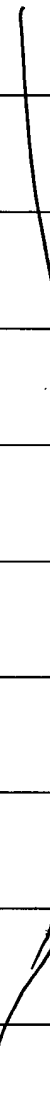
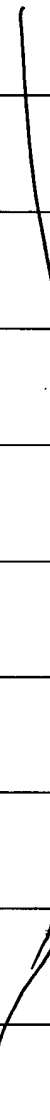
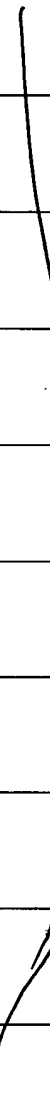
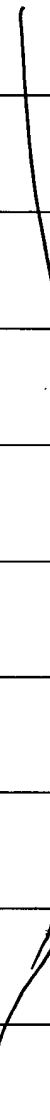
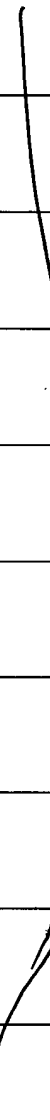
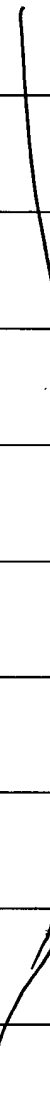
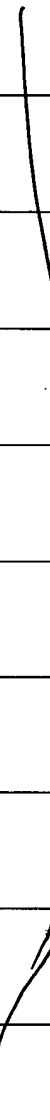
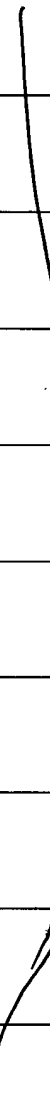
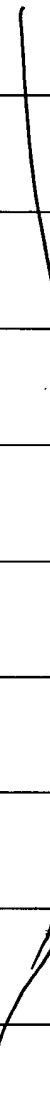


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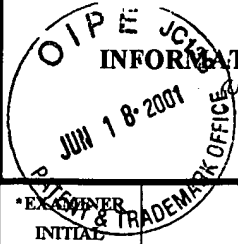













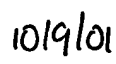
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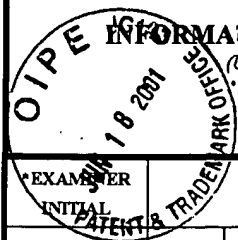
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		BAY136/4-018CIP		09/122,384	
		Applicant(s)			
		ELLEDEGE ET AL.			
		Filing Date		Group Art Unit	
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		Applicant(s) ELLEDGE ET AL.			
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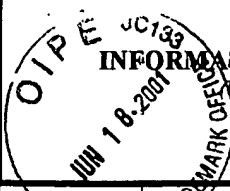
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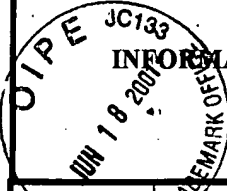
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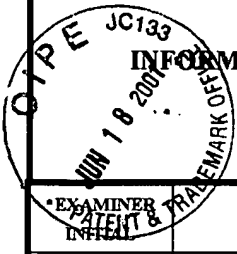
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		Applicant(s) ELLEDGE ET AL.			
		Filing Date JULY 24, 1998		Group Art Unit 1636	
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